

## IMPLEMENTATION SCHEDULE

The Implementation Schedule that follows describes recovery task priorities, task numbers, task descriptions, duration of tasks, potential or participating responsible parties, total cost estimate and estimates for the next five years, if available, and comments. These tasks, when accomplished, will lead to recovery of bull trout in the Northeast Washington Recovery Unit. Cost estimates are not provided for tasks which are normal agency responsibility under existing authorities.

Parties with authority, responsibility, or expressed interest to implement a specific recovery task are identified in the Implementation Schedule. Lead party are designated in bold type. Listing a responsible party does not imply that prior approval has been given or require that party to participate or expend any funds. However, willing participants will benefit by demonstrating that their budget submission or funding request is for a recovery task identified in an approved recovery plan, and is therefore part of a coordinated recovery effort to recover bull trout. In addition, section 7 (a)(1) of the Endangered Species Act directs all Federal Agencies to use their authorities to further the purposes of the Act by implementing programs for the conservation of threatened or endangered species.

The following are definitions to column headings in the Implementation Schedule:

Priority Number: All priority 1 tasks are listed first, followed by priority 2 and priority 3 tasks.

Priority 1: All actions that must be taken to prevent extinction or to prevent the species from declining irreversibly in the foreseeable future.

Priority 2: All actions that must be taken to prevent a significant decline in species population or habitat quality or to prevent some other significant negative effect short of extinction.

Priority 3: All other actions necessary to provide for full recovery (or reclassification) of the species.

Task Number and Task Description: Recovery tasks as numbered in the recovery outline. Refer to the action narrative for task descriptions.

Task Duration: Expected number of years to complete the corresponding task. Study designs can incorporate more than one task, which when combined may reduce the time needed for task completion.

Responsible or Participating Party: The following organizations are those with responsibility or capability to fund, authorize, or carry out the corresponding recovery task. Additional identified agencies or parties are considered cooperators in restoration efforts. Identified parties include:

USFWS	U.S. Fish and Wildlife Service
WDFW	Washington Department of fish and Wildlife
KT	Kalispell Tribe
ST	Spokane Tribe
WDNR	Washington Department of Natural Resources
COE	U.S. Army Corp of Engineers
BPA	Bonneville Power Administration
SCL	Seattle City Light
POPUD	Pend Oreille Public Utilities District
FERC	Federal Energy Regulatory Commission
WDOE	Washington Department of Ecology
EPA	Environmental Protection Agency
USFS	U.S. Forest Service
WSCC	Washington State Conservation Commission
POCO	Pend Oreille County

**Bold type** indicates the agency or agencies that have the lead role for task implementation and coordination, though not necessarily sole responsibility.

Cost Estimates: Cost estimates are rough approximations and provided only for general guidance. Total costs are estimated for the duration of the task, are itemized annually for the next five years, and include estimates of expenditures by local, Tribal, State, and Federal governments and by private business and individuals.

An asterisk (\*) in the total cost column indicates ongoing tasks that are currently being implemented as part of normal agency responsibilities under existing authorities. Because these tasks are not being done specifically or solely for bull trout conservation, they are not included in the cost estimates. Some of these efforts may be occurring at reduced funding levels and/or in only a small portion of the watershed.

Double asterisk (\*\*) in the total cost column indicates that estimated costs for these tasks are not determinable at this time. Input is requested to help develop reasonable cost estimates for these tasks.

Triple asterisk (\*\*\*) indicates costs are combined with or embedded within other related tasks.

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NORTHEAST WASHINGTON RECOVERY UNIT - IMPLEMENTATION SCHEDULE											
Priority number	Task number	Task description	Task duration (years)	Responsible parties	Cost estimates (\$1,000)						Comments
					Total cost	Year 1	Year 2	Year 3	Year 4	Year 5	
1	1.1.1	Investigate and improve water quality	3	<b>WDOE, EPA, POCO, USFWS</b>	150	50	50	50			
1	1.2.2	Provide fish passage at Albeni Falls Dam	2	<b>COE, USFWS</b>	400	200	200				
1	1.2.3	Provide fish passage at Box Canyon Dam	3	<b>POPUD, USFWS, FERC</b>	600	200	200	200			May not start until 2005 or later
1	1.2.7	After nonnative fish species are eliminated, remove historic water diversion on the upper West Branch of the LeClerc Creek system	3	<b>USFS, KT, WDFW, USFWS</b>	350	50	250	50			
1	1.2.8	Reduce entrainment	5	<b>SCL, COE, POPUD, USFWS</b>	2,500	500	500	500	500	500	
1	1.2.9	Provide fish passage at Boundary Dam	3	<b>SCL, USFWS</b>	600	200	200	200			

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1	1.3.7	Develop habitat restoration/protection guidelines	25	<b>WDNR, USFS, KT, ST, USFWS, WDFW</b>	*						
1	1.4.1	Evaluate instream flow requirements of bull trout	6	<b>COE, POPUD, SCL USFWS</b>	1000	200	400	300	100		
1	1.4.2	Design and deploy gas abatement structures	9	<b>COE, POPUD, SCL USFWS</b>	900	300	300	300			Cost for construction to be determined.
1	2.5.1	Reduce abundance and distribution of non-native species	25	<b>WDFW, KT, ST, USFS</b>	2,500	100	100	100	100	100	
1	2.6.1	Liberalize harvest regulations to reduce non-natives where bull trout will benefit	25	<b>WDFW</b>	*						
1	2.6.2	Evaluate presence/absence of introduced fishes in bull trout habitat and determine site specific biological, economic, and social impact	5	<b>WDFW, KT, ST, USFWS</b>	250	50	50	50	50	50	

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1	4.3.2	Establish genetic baselines	3	<b>WDFW, KT, ST, USFWS</b>	180	70	100	10			
1	5.2.1	Identify threats that may be limiting bull trout in watersheds not already evaluated	5	<b>WDFW, KT, ST USFS, USFWS, WSCC</b>	500	100	100	100	100	100	
1	1.3.9	Implement habitat restoration at Box Canyon Dam, Sullivan Creek, and Boundary Dam	10-25	<b>FERC, SCL, POPUD, USFWS, USFS, WDFW, KT, ST</b>	*						
2	1.2.1	Provide fish passage on Cedar Creek	2	<b>CITY OF IONE, USFWS, USFS, KT, WDFW</b>	200	100	100				
2	1.2.4	Provide fish passage at tributary dams and barriers	3	<b>POPUD USFWS</b>	600	200	200	200			
2	1.2.5	Remove or replace culverts	10	<b>USFS, WDNR, WDFW, USFWS, KT</b>	2,250	250	250	250	250	250	

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2	1.2.6	After elimination of brook trout in the LeClerc Creek watershed, reposition or replace presently impassable culvert on U.S. Forest Service Road 1935080 crossing	2	USFS, WDFW, USFWS, KT	700	200	500				
2	1.3.1	Repair roads	15	USFS, USFWS, WDNR, POCO,	2,250	150	150	150	150	150	
2	1.3.2	Develop and implement adaptive management plans for areas impacted by livestock grazing	5	USFS, WDNR, USFWS	500	100	100	100	100	100	
2	1.3.3	Improve riparian and instream habitat	20	USFS, USFWS, KT	4,000	200	200	200	200	200	
2	1.3.4	Improve compliance with riparian management guidelines	25	WDNR	*						
2	1.3.5	Maintain roadless portions of bull trout watersheds in a roadless condition	25	USFS	*						

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2	1.3.6	Minimize impacts of dredging and sluicing within streams containing bull trout ( <i>i.e.</i> Sullivan Creek)	25	WDNR, USFWS	*						
2	1.3.8	Reduce road densities	5	USFS, WDNR, KT, POCO	1,700	100	100	500	500	500	
2	3.1.1	Develop comprehensive fisheries management plans for Boundary and Box Canyon Reservoirs that incorporate bull trout recovery	2	WDFW, KT, USFWS, USFS	200	100	100				
2	3.2.1	Continue implementation and enforcement of restrictive fishing regulations	25	WDFW, KT, ST	*						
2	3.2.2	Provide information to anglers	10	WDFW, USFWS KT, USFS	1,500	150	150	150	150	150	
2	3.2.3	Reduce angler pressure	25	WDFW, KT, ST	*						



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2	3.3.1	Evaluate impacts of stocking programs	3	KT, USFWS, WDFW	300	100	100	100			
2	3.4.1	Evaluate impact of scientific collection permits on bull trout local populations	25	USFWS, WDFW	*						
2	4.3.3	Evaluate threat of hybridization with brook trout	3	WDFW, USFS, USFWS,	*						
2	4.3.4	Evaluate feasibility of an artificial propagation program	3	USFWS, WDFW, YN	30	10	20	10			
2	5.1.1	Increase monitoring	25	KT, WDFW, USFWS	2,500	100	100	100	100	100	
2	5.1.2	Develop a comprehensive map of primary bull trout tributary reaches for focusing habitat protection and recovery efforts	3	USFWS, KT, WDFW, USFS	75	25	25	25			
2	6.1.1	Support collaborative efforts.	20	WDFW, USFS, USFWS, KT, ST	2,000	100	100	100	100	100	

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2	6.1.2	Provide long-term habitat protection	10	USFS, KT, USFWS	1,000	100	100	100	100	100	
2	6.3.1	Review and implement Forest and Fish standards	25	WDNR, WDFW, USFWS	*						
3	4.3.1	Establish genetic protocols	3	USFWS, WDFW, KT, ST	*						
3	6.3.2	Monitor and enforce Hydraulic Permit Applications in the State of Washington	25	WDNR, WDFW	*						
3	7.3.1	Periodically review progress toward recovery goals and assess recovery task priorities	25	USFWS, USFS, WDFW	*						